

# DATA STRUCTURES AND ALGORITHMS

## PROJECT REPORT

### MINI PROJECT 1



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## **Mini Project 1: Making a Database Management Software**

### **Purpose**

To develop a Database Management Console application without classes and objects or other purely object-oriented programming constructs.

The Project has the following functionality:

- It allows the user to Add data into database.
- It allows the user to Delete data from the database.
- It allows user to print the database.
- It allows the user to Edit the database
- It allows the user to Sort the Database.
- It allows the user to Search the database.
- It allows the user to save/load from the database.

### **Project Description**

1. In this Project, **Switch/ Case, if / else** Statements as well as **Pointers, Structures** and **Functions** have been used.
2. Initially a menu is given to the user to select the option that user wants, the menu has multiple options under multiple cases.

3. User can perform any operation by entering the correct number as given on the menu.

### **Problems faced while Implementation**

Although Sorting was a bit challenging, but the rest of the tasks were already done in lab, hence I did not face any major problem while completing my project.

### **Reference Links**

<https://www.geeksforgeeks.org/c-program-bubble-sort-linked-list/>

**\*Working Program file is also inside the folder.**

**THE END**